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World
Resources
Inventory, Inc.

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Philadelphia, PA
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215-387-5400

Dear Friend,

The complexity of the global food situation is real, but almost mythically exaggerated. This is due, in part, to the lack of simple, adequate tools for dealing with such a large system. The enclosed wall poster--one of the latest publications of the W.R.I.--is one such simple tool that helps demystify the overwhelming complexity of the global food picture. The World Food System Data Sheet and the World Food System Atlas are integrative structures; they are views of the whole. They help to bring clarity where before there was mystery, quantify in interrelatable ways where before there were just guesses, and show relative magnitudes in a global, closed system manner, where before, at best, there were just random data from random points around the world.

The World Food System Data Sheet is the most complete, up-to-the-minute compilation of vital statistics of the world's food system in existance. Close examination of the Data Sheet and the World Food System Atlas (a pocket calculator could be helpful) discloses a multitude of facts about the world and every country in the world: current population, birth and death rates, projected population for the year 2000, life expectancy, food production and supply, arable land, irrigated land, fertilizer and energy use, world totals for all crops grown, etc.

Further copies of the Data Sheet and Atlas are available for $1.50 plus 50¢ postage and handling each, from the World Game, 3500 Market Street, Philadelphia, PA 19104. Fifty or more copies are $1.00 each plus postage.

World Food System Data Sheet is compiled by the World Resources Inyentory division of the World Game, 3500 Market Street, Philadelphia, Pennsylvania 19104 USA (215) 387-5400

The World Resources Inventory gratefully acknowledges the generous assistance and cooperation given by the Population Reference Bureau, Inc. of Washington, D.C., and the Food and Agricultural Organization of the United Nations in the preparation of this *Data Sheet*. All population figures, with the minor exception of agricultural population, are from the Population Reference Bureau 1979 World Population Data Sheet. All maps and other data compilations are from *Ho-Ping: Food for Everyone* by Medard Gabel (Doubleday, 1979).

The World Resources Inventory is engaged in the collection, analysis, mapping and dissemination of the vital statistics of planet Earth. The World Game is an innovative global planning tool engaged in the development of strategies for making the world work for 100% of humanity. It is an ongoing research and development activity devoted to the discovery of how to most efficiently and expeditiously employ the world's resources, technology, and know-how to the ever advancing equal advantage of all humanity. It is an apolitical non-profit tax-exempt research, education and planning organization supported by its educational events, foundation grants, individual and corporate contributions and sales of publications. For more information about World Game programs, activities and publications, or to order additional copies of this *Data Sheet*, contact the World Game, 3500 Market St., Philadelphia, PA 19104 USA. Additional copies are $1.50 + $.50 postage and handling each; 50 or more copies are $1.00 each + postage.

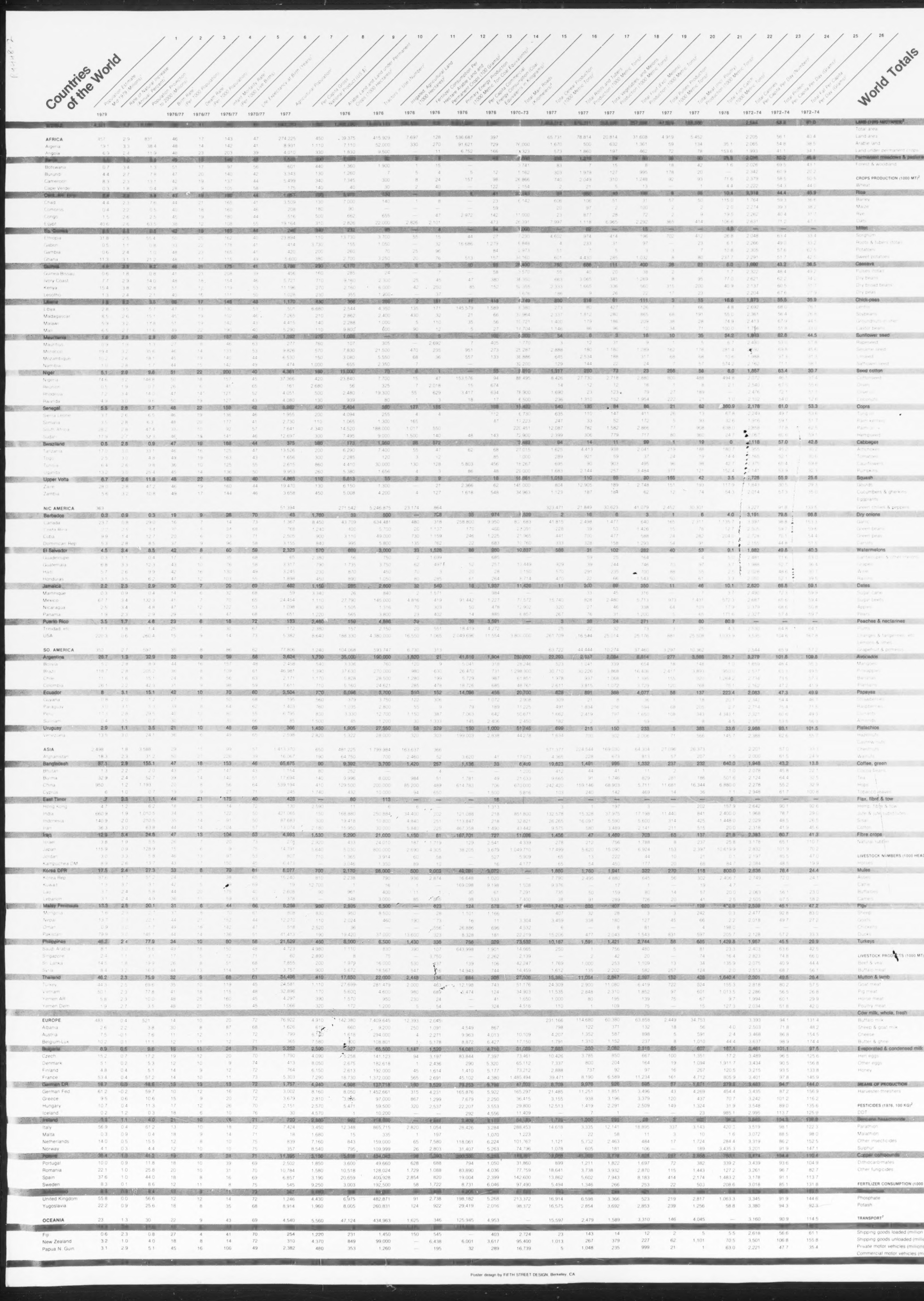
General Notes

Dashes indicate that data are unavailable.

Total population figures for the regions and the world (columns 1 and 3) take into account small areas not listed on the *Data Sheet*. These population totals may also not equal the sums of their parts because of independent rounding. All other regional and world population figures are weighted averages for countries for which data are available. Detailed references and footnotes as to the various assumptions and methods used to arrive at the various population figures can be found on the 1979 World Population Data Sheet of the Population Reference Bureau, Inc.

Sources

1. 1979 World Population Data Sheet of the Population Reference Bureau, Inc. 1337 Connecticut Ave. N.W., Washington, D.C. 20036.
2. *1977 FAO Production Yearbook*, Vol. 31, United Nations, Rome, 1978.
3. *World Energy Supplies 1972–1976*, Series J, No. 21, United Nations, New York, 1978.
4. International Road Transportation Union: World Transport Data, IRU Department of Economic Affairs, Centre International, Geneva, 1976.
5. *1976 Fisheries Yearbook*, United Nations, New York, 1978.
6. *FAO Annual Fertilizer Review: 1977*, United Nations, Rome, 1978.
7. *U.N. Statistical Yearbook: 1977*, United Nations, New York, 1978.



Countries of the World	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	1979			1976/77	1976/77	1976/77	1970/77	1977		1976	1976	1976	1976	1976	1976	1970–73	1977	1977	1977	1977	1977	1977	1976	1972–74	1972–74	1972–74
WORLD	4,321	1.7	6,127	28	11	10	61	1,442,753	1,567	1,468,000	1,500,000	205,500	638	6,800,000	1,900		1,453,372	1,571,211	53,500	257,000	47,500	108,000		2,542	63.8	91.0
AFRICA	357	2.9	831	46	17	143	47	274,225	450	39,375	415,929	7,697	128	536,687	397		65,731	78,814	20,814	31,608	4,919	5,452		2,205	56.1	40.4
Algeria	19.1	3.3	38.4	48	14	142	41	8,931	1,110	7,110	52,000	330	270	91,621	729	76,000	1,670	500	632	1,361	59	134	35.1	2,065	54.8	38.5
Angola	6.9	2.4	11.9	48	23	203	39	4,010	330	1,830	9,500	—	11	6,752	166	1,323	573	1,860	197	462	72	78	153.6	1,993	41.1	34.1
Benin	3.5	3.0	8.9	49	19	149	48	1,636	340	1,000	1,800	1	5	—	44	2,941	258	1,215	29	81	36	90	79.8	2,096	60.2	45.9
Botswana	0.7	3.4	1.3	51	17	97	56	601	440	1,360	1,900	1	15	—	—	2,741	83	7	15	8	18	42	1.6	2,026	69.5	43.1
Burundi	4.4	2.7	7.8	47	20	140	42	3,343	130	1,260	7	5	4	5	12	5,162	303	1,979	127	995	178	20	—	2,442	60.9	20.2
Cameroon	8.3	2.3	13.1	42	19	137	44	5,499	340	7,345	300	8	24	157	98	26,866	740	2,049	310	1,248	92	93	71.6	2,379	58.5	50.5
Cape Verde	0.3	1.8	0.4	28	9	105	58	175	140	40	30	2	40	—	122	5,154	2	21	5	13	—	1	4.4	2,222	54.3	44.0
Cent. Afr. Emp.	2.4	2.2	3.9	43	18	160	44	1,667	190	3,000	150	—	1	6	41	20,241	34	990	40	190	8	86	10.4	2,318	44.4	45.9
Chad	4.4	2.3	7.6	44	21	165	41	3,509	130	7,000	140	1	8	—	23	6,142	606	106	51	31	57	50	115.0	1,764	59.3	36.8
Comoros	0.4	2.2	0.5	40	18	160	46	208	180	90	—	—	—	—	59		20	97	2	100	2	2	2.0	2,274	39.3	38.2
Congo	1.5	2.6	2.5	42	19	180	44	516	500	662	655	—	47	2,972	142	11,000	23	877	28	72	2	9	19.5	2,262	48.4	31.7
Egypt	40.6	2.6	63.5	38	12	108	55	19,164	310	2,826	22,000	2,826	2,101	—	473	26,391	7,997	1,118	6,965	2,292	365	414	106.6	2,631	71.2	47.1
Eq. Guinea	0.3	2.1	0.5	42	18	165	44	246	340	232	99	—	4	—	94	1,000	52	92	—	15	—	—	4.0	—	—	—
Ethiopia	31.8	2.5	55.4	50	25	162	40	23,844	110	13,730	3,700	55	15	44	27	9,230	4,602	974	414	196	702	412	26.8	2,048	63.4	33.4
Gabon	0.5	1.1	0.8	33	22	178	41	414	3,730	155	1,050	—	32	16,686	1,279	5,848	4	233	31	97	—	23	6.1	2,266	49.0	33.2
Gambia	0.6	2.4	1.0	48	23	165	41	420	200	260	70	25	96		84	4,973	51	7	5	3	3	7	10.8	2,305	57.6	62.5
Ghana	11.3	3.1	21.2	46	17	115	49	5,600	380	2,700	3,250	20	76	513	157	34,160	601	4,430	285	1,032	8	80	237.7	2,291	51.7	42.5
Guinea	4.6	2.5	9.2	46	21	175	41	5,786	290	4,170	70	6	9	20	55	29,300	755	606	111	400	28	82	6.0	1,902	43.2	36.5
Guinea-Bissau	0.6	1.8	0.8	41	23	208	39	456	160	285	24	—	7	—	58	1,570	55	40	20	38	2	7	1.7	2,322	48.4	43.2
Ivory Coast	7.7	2.9	14.0	48	18	154	46	5,721	710	9,160	2,300	25	45	47	380	38,350	663	3,065	345	1,269	8	95	77.0	2,621	62.2	44.2
Kenya	15.4	3.8	32.8	51	12	119	53	11,196	270	2,160	6,000	42	250	85	152	50,355	2,333	1,665	336	560	315	200	40.9	2,137	60.5	31.7
Lesotho	1.3	2.4	2.1	40	16	111	50	1,028	230	355	1,200	—	37	—	—	1,476	186	9	26	22	17	23	—	2,204	67.6	27.9
Liberia	1.8	3.2	3.8	46	17	148	48	1,170	430	906	200	2	181	31	418	4,749	890	316	61	111	3	15	16.6	1,873	55.5	35.9
Libya	2.8	3.5	5.7	47	13	130	53	501	6,680	2,544	4,350	135	171	145,579	1,583	8,380	273	80	427	126	7	66	4.8	2,692	68.0	36.1
Madagascar	8.5	2.6	15.1	45	19	102	46	7,265	210	2,862	2,400	430	32	21	66	31,964	2,337	1,812	280	865	68	191	55.0	2,361	58.4	26.8
Malawi	5.9	3.2	17.8	51	19	142	43	4,415	140	2,288	1,000	5	110	35	56	10,721	1,400	179	186	209	38	28	74.9	2,413	67.4	44.5
Mali	6.5	2.7	17.6	49	22	190	40	5,290	110	9,800	600	90	12	5	27	14,704	1,146	86	96	92	34	71	100.0	1,716	51.8	33.0
Mauritania	1.6	2.6	2.9	50	22	187	40	1,382	270	1,085	—	5	6	—	102	3,200	54	6	3	16	10	35	34.2	1,893	62.6	44.5
Mauritius	0.9	1.4	1.3	27	8	46	63	277	760	107	305	—	2.692	7	405	1,770	3	12	31	9	1	5	6.7	2,490	53.0	37.8
Morocco	19.4	3.2	35.6	46	14	133	53	9,826	570	7,830	21,500	470	235	951	273	25,287	2,888	180	1,180	1,289	162	178	281.4	2,790	69.8	45.6
Mozambique	10.2	2.6	18.1	45	19	140	44	6,530	150	3,080	5,550	68	36	557	133	38,886	645	2,534	188	317	68	68	10.6	1,988	37.8	31.3
Namibia	1.0	2.8	1.7	44	15	142	49	474	1,000	655	2,350	7	—	—	—	32,200	129	144	22	24	7	57	574.2	2,162	71.1	58.1
Niger	5.1	2.9	9.6	51	22	200	40	4,361	190	15,000	700	6	1	—	55	1,810	1,317	280	73	23	256	58	8.0	1,857	63.4	30.7
Nigeria	74.6	3.2	148.8	50	18	157	45	37,366	420	23,840	7,700	15	47	153,576	94	88,495	8,426	27,730	2,718	2,680	800	488	494.8	2,072	46.5	37.4
Reunion	0.5	1.9	0.7	26	6	41	65	161	2,680	56	325	7	2,018	15	674		14	12	12	16	1	8	2.1	2,540	67.9	55.6
Rhodesia	7.2	3.4	14.0	47	14	121	52	4,051	500	2,480	19,300	55	629	3,417	634	78,900	1,690	23	123	79	27	189	—	2,476	72.1	51.7
Rwanda	4.9	3.0	9.6	50	19	127	43	4,080	130	939	80	1	3	18	17	6,500	236	1,310	152	1,954	222	21	1.0	2,102	54.0	12.8
Senegal	5.5	2.9	9.7	48	22	159	42	3,982	420	2,404	380	127	155	—	108	11,432	540	135	84	86	21	62	360.9	2,178	61.0	53.3
Sierra Leone	3.7	2.6	6.5	46	19	136	46	1,955	200	4,094	255	4	4		112	6,730	635	110	147	411	26	13	67.8	2,249	49.7	53.6
Somalia	3.5	2.8	6.3	48	20	177	41	2,730	110	1,065	1,300	165			47	11,223	247	33	52	172	5	33	32.6	1,916	59.1	51.7
South Africa	28.2	2.8	47.4	35	10	92	57	7,641	4,340	14,520	188,000	1,017	550			220,451	12,087	782	1,582	2,866	77	908	638.0	2,858	77.8	62.5
Sudan	17.9	2.7	32.3	46	19	141	46	12,697	300	7,495	9,000	1,500	140	48	143	72,900	2,399	306	779	717	80	360	24.7	2,067	66.0	59.1
Swaziland	0.5	2.8	0.9	47	19	168	44	375	580	173	1,950	86	572			2,682	84	14	11	99	1	19	0	2,118	57.0	42.8
Tanzania	17.9	3.0	33.1	46	16	125	47	13,526	200	6,290	7,400	55	47	62	68	27,015	1,625	4,413	938	2,041	219	188	180.7	2,355	49.2	30.2
Togo	2.5	3.0	4.8	49	19	163	43	1,656	300	2,285	120	3	12		85	1,000	289	921	59	37	24	19	14.4	2,165	52.1	30.6
Tunisia	6.4	2.6	9.8	36	10	125	55	2,615	860	4,410	30,000	130	128	5,803	456	16,267	695	90	903	495	96	98	42.7	2,375	60.4	50.8
Uganda	13.2	3.0	25.4	45	14	136	50	9,953	260	5,380	1,656	4	3	86	48	25,000	1,683	2,144	257	3,484	377	121	152.4	2,141	53.9	32.3
Upper Volta	6.7	2.6	11.8	48	22	182	40	4,865	110	5,613	55	2	9		18	18,861	1,018	110	85	30	165	42	3.5	1,726	55.9	25.6
Zaire	28.0	2.8	47.2	46	19	160	44	19,470	130	6,150	1,300	—	21	2,366	62	145,000	804	12,905	189	2,748	151	193	117.9	1,641	30.5	29.3
Zambia	5.6	3.2	10.8	49	17	144	46	3,658	450	5,008	4,200	4	127	1,618	548	34,963	1,123	187	184	62	12	74	54.3	2,014	57.3	35.0
N/C AMERICA	363							51,394		271,542	5,246,875	23,174	864				323,471	21,849	30,623	41,079	2,452	30,301		3,227	91.8	133.5
Barbados	0.3	0.9	0.3	19	9	28	70	43	1,760	33	500	—	708	35	974	1,529	2	16	6	3	1	6	4.0	3,191	79.6	98.8
Canada	23.7	0.8	29.0	16	7	14	73	1,367	8,450	43,709	634,481	480	318	258,800	9,950	82,683	41,815	2,498	1,477	640	165	2,311	1,135.7	3,397	98.8	153.3
Costa Rica	2.2	2.5	3.4	30	6	34	68	768	1,240	400	5,700	20	1,127	178	466	25,091	228	39	53	1,426	15	76	12.7	2,565	59.7	59.6
Cuba	9.9	1.4	12.7	20	6	23	71	2,505	900	3,110	49,000	730	1,159	246	1,225	21,965	441	700	477	588	24	282	204.0	2,728	70.1	54.4
Dominican Rep	5.3	2.8	8.5	37	9	96	58	3,155	840	995	5,800	135	762	22	683	10,760	333	328	158	1,293	54	91	7.1	2,155	44.8	51.5
El Salvador	4.5	3.4	8.5	42	8	60	59	2,323	570	669	3,000	33	1,528	88	980	10,837	586	31	102	282	40	53	9.1	1,882	49.8	40.3
Guadeloupe	0.3	1.1	0.4	17	6	35	68	65	2,380	56	750	2	1,699	—	685	—	—	59	25	164	—	4	5.0	2,481	71.6	53.0
Guatemala	6.8	3.3	12.3	43	10	76	58	3,317	790	1,735	3,750	62	497	52	257	13,449	929	39	244	746	70	97	3.7	1,988	52.7	36.4
Haiti	5.7	2.6	9.9	42	16	130	49	3,245	230	870	450	70	3	20	28	3,150	570	291	235	700	88	55	2.5	2,028	48.6	30.7
Honduras	3.1	3.5	6.2	47	12	103	55	1,898	450	890	1,050	80	285	61	264	5,714	470	22	66	1,543	60	61	3.3	2,060	52.1	39.5
Jamaica	2.2	2.3	2.9	30	7	20	69	482	1,150	285	2,600	32	540	18	1,937	11,426	11	200	89	350	11	46	10.1	2,620	69.8	59.1
Martinique	0.3	0.9	0.4	14	6	32	68	59	3,340	26	840	2	1,571	—	984	—	33	45	316	—	7	37	2.490	72.3	59.9
Mexico	67.7	3.4	132.3	41	7	70	65	24,454	1,110	27,790	145,000	4,816	419	91,442	1,227	77,572	15,740	828	2,480	5,713	973	3,431	572.3	2,687	68.6	59.4
Nicaragua	2.5	3.4	4.8	47	12	122	53	1,098	830	1,505	1,316	70	303	50	478	12,902	320	27	46	338	64	103	17.9	2,379	68.6	50.8
Panama	1.9	2.3	2.9	29	6	47	68	651	1,220	565	3,800	23	402	14	885	6,857	267	76	31	1,200	5	65	171.6	2,327	57.4	49.7
Puerto Rico	3.5	1.7	4.6	23	6	18	72	133	2,460	159	4,886	39	—	30	3,591	—	3	38	24	271	7	80	80.9	—	—	—
Trinidad, etc.	1.1	1.8	1.4	25	7	80	67	172	2,380	157	2,150	20	551	18,419	4,272		25	22	32	73	3	25	4.3	2,530	64.8	64.1
USA	220.3	0.6	260.4	15	9	14	73	5,382	8,640	188,330	4,380,000	16,550	1,065	2,049,696	11,554	3,800,000	261,709	16,544	25,014	25,176	681	25,508	1,033.9	3,535	104.6	167.8
SO. AMERICA	352	2.7	587	35	8	86	62	77,806	1,240	104,068	593,747	6,730	313				63,722	44,444	10,274	37,460	3,297	10,362		2,544	65.9	97.2
Argentina	26.7	1.3	32.9	22	9	59	68	3,624	1,730	35,000	190,000	1,820	21	41,816	1,804	283,800	22,293	2,337	2,084	8,814	277	3,568	281.7	3,279	101.8	109.8
Bolivia	5.2	2.8	8.9	44	16	157	48	2,458	540	3,336	760	120	9	5,041	318	25,246	523	1,041	339	654	18	148	1.0	1,859	48.4	36.3
Brazil	118.7	2.8	205.2	36	8	109	61	46,981	1,390	37,630	270,000	980	630	26,470	731	1,298,300	30,710	30,226	3,868	16,436	2,417	3,893	950.0	2,577	63.3	39.5
Chile	11	1.6	15.1	24	6	56	63	2,171	1,170	5,828	28,500	1,280	199	5,729	987	61,851	1,978	937	1,068	1,395	155	320	1,264.2	2,734	73.5	57.3
Colombia	26.1	2.2	42.3	31	9	98	59	7,611	760	5,160	24,621	285	478	18,726	685	48,767	2,611	3,815	1,072	3,739	120	768	36.1	2,162	47.2	41.9
Ecuador	8	3.1	15.1	42	10	70	60	3,504	720	5,096	3,700	510	152	14,096	455	20,700	628	891	568	4,077	58	137	223.4	2,063	47.3	49.9
Guyana	0.8	2.0	1.2	27	7	50	68	195	560	379	3,750	122	306	—	1,072	2,908	309	21	8	16	1	18	20.1	2,342	54.4	46.3
Paraguay	3.0	3.1	5.3	39	8	64	62	1,403	760	1,035	2,800	55	9	79	189	11,225	941	1,834	216	594	68	205	2.7	2,714	75.4	71.5
Peru	17.3	2.8	29.5	40	13	80	55	6,795	830	3,330	12,700	1,150	387	7,063	642	50,671	1,662	2,419	797	1,650	108	343	4,343.1	2,321	60.6	49.3
Surinam	0.4	3.5	0.7	30	7	91	66	85	1,500	45	1,200	30	1,333	145	2,406	2,450	182	2	3	59	—	8	4.5	2,370	53.6	56.3
Uruguay	2.9	1.1	3.5	21	10	46	69	366	1,450	1,905	27,550	58	329	150	1,000	51,745	699	215	150	233	5	383	33.6	2,968	93.1	101.5
Venezuela	13.5	3.0	24.1	36	6	49	65	2,598	2,820	5,322	28,000	328	303	199,003	2,838	44,278	1,634	700	402	2,006	71	566	145.7	2,388	62.6	55.7
ASIA	2,498	1.8	3,588	29	11	99	57	1,413,370	650	481,225	1,799,984	163,637	366				571,377	234,544	169,030	64,304	27,096	26,373		2,201	57.0	33.1
Afghanistan	18.3	2.3	31.2	50	21	226	39	16,067	190	64,750	700	2,460	52	3,620	41	17,973	4,365	228	673	813	57	267	1.5	2,000	61.5	24.9
Bangladesh	87.1	2.9	155.1	47	18	153	46	65,675	90	9,392	3,700	1,420	257	1,136	33	6,409	19,623	1,491	995	1,332	237	232	640.0	1,948	43.2	13.8
Bhutan	1.3	2.2	2.0	43	21	147	43	1,154	80	252	—	4	—	—	1,200	412	44	41	11	2	1	1.0	2,078	45.8	32.1
Burma	32.9	2.4	52.7	39	14	140	51	17,694	140	9,996	8,000	984	51	1,781	49	21,633	9,665	91	1,746	829	281	186	501.6	2,124	64.4	32.5
China	950	1.2	1,193	20	8	56	64	539,194	410	129,500	200,000	85,200	489	614,783	706	670,000	242,420	159,146	68,903	5,711	11,681	16,344	6,880.0	2,278	55.2	32.9
Cyprus	0.6	1.0	0.7	19	9	27	71	245	1,740	432	10,000	94	650	—	1,500	5,816	103	240	142	469	14	36	1.1	2,948	61.7	100.8
East Timor	.7	2.3	1.1	44	21	175	40	428	—	60	113	—	—	—	16		—	—	—	—	—	—	0	—	—	—
Hong Kong	4.7	1.2	6.2	18	5	14	72	130	2,590	11	6	6	—	—	1,313		3	1	197	3	—	202	157.9	2,642	90.1	92.6
India	660.9	1.9	1,010.5	34	15	122	50	421,065	150	168,880	250,884	34,400	202	121,088	218	851,800	132,578	15,328	37,975	17,198	11,440	841	2,400.0	1,968	78.7	29.6
Indonesia	140.9	2.0	210.5	35	14	91	50	87,683	300	19,418	10,800	4,840	251	113,847	218	32,821	26,265	16,097	5,590	5,600	314	425	1,448.0	2,029	48.5	26.5
Iran	36.3	3.0	63.8	44	14	104	57	13,074	2,180	15,950	30,000	5,840	225	467,358	1,490	43,442	9,575	580	3,489	2,141	211	515	20.0	2,318	41.9	45.6
Iraq	12.9	3.4	24.6	47	13	104	53	4,993	1,530	5,200	21,000	1,150	81	167,701	727	11,006	1,456	47	1,469	703	53	137	21.8	2,383	60.7	41.3
Israel	3.8	1.9	5.5	26	7	20	73	278	2,320	433	24,010	187	1,719	129	2,541	4,339	278	212	756	1,788	8	237	25.8	3,178	65.1	110.7
Japan	115.9	0.9	128.9	15	6	9	75	14,791	5,640	5,030	800,000	2,690	4,305	38,205	3,679	1,049,710	17,499	5,620	15,090	6,924	153	2,397	10,619.9	2,832	101.9	70.2
Jordan	3.0	3.3	5.8	46	13	97	53	807	710	1,365	3,914	60	58	—	527	5,909	65	13	222	44	10	21	0.1	2,197	85.5	47.0
Kampuchea DM	8.9	2.6	13.7	43	17	150	45	6,473	—	3,046	1,350	89	12	—	16	4,177	65	54	450	177	20	68	84.7	2,084	48.5	19.9
Korea DPR	17.5	2.4	27.3	33	8	70	61	8,077	700	2,170	28,000	500	2,003	48,081	3,072	—	1,860	1,760	1,941	322	270	118	800.0	2,636	78.4	24.4
Korea Rep	37.6	1.7	51.2	24	7	38	65	15,240	810	2,238	790	936	2,874	16,648	1,020	—	7,790	2,495	4,880	645	56	302	2,406.7	2,749	72.0

World Food Atlas

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World Population 1979

Source:
Population Reference Bureau
Washington, D.C.

● = about 43 million people

World Population 1979 (in millions)

World:	4,321
Africa:	467
Asia:	2,498
Europe:	483
Latin America:	352
North America:	244
Oceania:	23
USSR:	264

Major Famines of the Last 100 Years

Sources:
Encyclopedia Britannica, 1971; and Mayer, J., "Management of Famine Relief," *Science*, 5-9-75, p. 572.

Africa
Algeria: 1962
Angola: 1971–74
Burundi: 1972
Central African Republic: 1971–74
Chad: 1971–74
Dahomey: 1971–74
Egypt: 1974
Ethiopia: 1973–75
Ghana: 1971–74
Mali: 1971–74
Mauritania: 1960, 1971–74
Morocco: 1960
Mozambique: 1971–74
Nigeria/Biafra: 1967–70
Nigeria: 1971–74
Niger: 1971–74
Republic of Congo: 1960–61
Rwanda/Urundi: 1943
Sahel: 1968–73
Senegal: 1971–74
Sudan: 1973
Togo: 1971–74
Tunisia: 1958
Upper Volta: 1971–74

Middle East
Iran: 1962
Iraq: 1954
Syria: 1969
Syria/Palestine: 1945–49

Europe
Greece: 1942–43
Holland: 1944–45
Poland: 1941–42

South America
Chile: 1960
Ecuador: 1949
El Salvador: 1951
Haiti: 1954
Nicaragua: 1972
Peru: 1970

Asia
Afghanistan: 1971
Bangladesh: 1970
Bengal: 1943–44
Cambodia: 1970
China: 1892–94, 1876–79, 1920–21, 1928–29, 1959–61, 1972
India: 1876–78, 1896–97, 1899–1900, 1965–67, 1946, 1954, 1961, 1966, 1975
[illegible]: 1959
[illegible]: 1955–56, 1960

Cultivated Cropland

Source:
National Geographic, July 1975

	Africa	North America	Central America	South America	Asia	Europe	USSR	Oceania	1975	
Arable and Permanent Cropland	209	272	481	104	476	142	232	47	Total Arable and Permanent Crop Land in World:	1488
Permanent Pasture Land	800	347	538	442	549	88	373	470	Total Permanent Pasture Land in World:	3058
Forest and Woodland	640	714	604	924	596	153	920	186	Total Forest and Woodland in World:	4145

All units in million hectares

Only about one fifth of the world's soils have actually been surveyed.[16]

All units in million hectares

World Meat Production 1977

Source:
1977 FAO Production Yearbook, Vol. 31 (United Nations, 1978)

● = 1% of World Meat Production
126 × 10⁶ metric tons

World Vegetable and Melon Production 1977

Source:
1977 FAO Production Yearbook, Vol. 31 (United Nations, 1978)

● = 1% of World Vegetable and Melon Production
3.2 × 10⁶ metric tons

World Cereal Production 1977

Source:
1977 FAO Production Yearbook, Vol. 31 (United Nations, 1978)

Slightly more than one-half of the harvested land of the world is used to grow grains.

● = 1% of World Cereal Production
15 × 10⁶ metric tons

Grains provide:
70% of the food supply in Asia
45% of the food supply in Africa
50% of the food supply in South America

World Root and Tuber Production 1977

Source:
1977 FAO Production Yearbook, Vol. 31 (United Nations, 1978)

● = 1% of World Root and Tuber Production
5.7 × 10⁶ metric tons

Hunting, Gathering, Fishing, and Primitive Cultivation

Predominant Economy
Source:
Oxford Economic Atlas, 1972

Irrigated Land: Locations

Source:
Oxford Economic Atlas, 1972

Total Irrigated Land in World 1974:	226.7	Asia:	161	All units in million hectares
Africa:	7.7	Europe:	12.6	
North and Central America:	22	Oceania:	1.6	
South America:	6.6	USSR:	14.5	

Potentially Arable

(25% or more potentially arable; does not include cultivated cropland)
Source: *National Geographic*, July 1975

World Agricultural Tractors in Use 1976

Source:
1977 FAO Production Yearbook, Vol. 31 (United Nations, 1978)

● = 1% of World Agricultural Tractors in Use
● = 183,031 tractors

Fertilizer Consumption 1974

Source:
1975 FAO Fertilizer Yearbook, Vol. 29 (United Nations, 1976)

	1961–65	1974
N:	14.9	36.6
P:	12.7	22.7
K:	10	19.9

All units in million metric tons

■ 150 kilograms per hectare and above
▩ 35–149 kilograms per hectare
□ 34 kilograms per hectare and below

Major Fisheries

Source:
Goode's World Atlas, 1975

C—Cod
H—Halibut
Hr—Herring
M—Mackerel
Mn—Menhaden
S—Salmon
Sd—Sardine
Sh—Shrimp
T—Tuna

Pigs

One dot represents 100,000 head
Source:
Oxford Economic Atlas, 1972

World:	666.3	Asia:	296	All units in million head
Africa:	8.5	Europe:	160	
North and Central America:	80.6	Oceania:	4.3	
South America:	53.3	USSR:	63	

Cattle

One dot represents 100,000 head
Source:
Oxford Economic Atlas, 1972

World:	1212	Asia:	358	All units in million head
Africa:	162	Europe:	134	
North and Central America:	166	Oceania:	42	
South America:	220	USSR:	110	

Cassava Cultivation

Source:
Pergamon World Atlas, 1968

Wheat

One dot represents 1,000,000 bushels
Source:
Goode's World Atlas, 1975

Wheat—1977 World Production:	387	Asia:	108	All units in million metric tons
Africa:	6.2	Europe:	62	
North and Central America:	77	Oceania:	9.7	
South America:	9	USSR:	92	

Rice

Major Areas of Production
Source:
Oxford Economic Atlas, 1972

Rice—1977 World Production:	367	Asia:	335	All units in million metric tons
Africa:	7.6	Europe:	1.5	
North and Central America:	6.2	Oceania:	6	
South America:	13	USSR:	3.2	

Maize/Corn

Major Areas of Production
Source:
Goode's World Atlas, 1975

Maize—1977 World Production:	350	Asia:	54	All units in million metric tons
Africa:	26	Europe:	50	
North and Central America:	177	Oceania:	40	
South America:	31	USSR:	10.8	